

Title (en)
METHOD FOR THE EARLY DETECTION OF RENAL DISEASE AND INJURY

Title (de)
VERFAHREN ZUM FRÜHEN NACHWEIS EINER NIERENKRANKHEIT UND -VERLETZUNG

Title (fr)
PROCEDE POUR DETECTER DE MANIERE PRECOCE UNE MALADIE RENALE ET UNE LESION RENALE

Publication
EP 1766395 A4 20080319 (EN)

Application
EP 05755309 A 20050607

Priority
• US 2005019951 W 20050607
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• US 9611305 A 20050331

Abstract (en)
[origin: US2005272101A1] A method and kit for detecting the immediate or early onset of renal disease and injury, including renal tubular cell injury, utilizing NGAL as an immediate or early on-set biomarker in a sample of blood serum. NGAL is a small secreted polypeptide that is protease resistant and consequently readily detected in the blood serum following renal tubule cell injury. NGAL protein expression is detected predominantly in proximal tubule cells, in a punctuate cytoplasmic distribution reminiscent of a secreted protein. The appearance NGAL in the serum is related to the dose and duration of renal ischemia and nephrotoxicity, and is diagnostic of renal tubule cell injury and renal failure. NGAL detection is also a useful marker for monitoring the nephrotoxic side effects of drugs or other therapeutic agents.

IPC 8 full level
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G01N 2800/52 (2013.01 - EP US)

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• [E] EP 1616184 A2 20060118 - CHILDRENS HOSP MEDICAL CENTER [US], et al
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